

## Tecra M2 Series

Model Name	Description	Part Numbers	UPC
Tecra M2	Pentium M 1.50GHz, 14.1"XGA, 256MB, 40GB (5400 RPM), nVidia 32MB,DVD, Intel 802.11b, Windows XP Pro, 3 Yr Warranty	PTM20U-002L27	032017235175
Tecra M2	Pentium M 1.70GHz, 14.1"XGA, 256MB, 40GB (5400 RPM), nVidia 32MB,DVD, Intel 802.11b, Windows XP Pro, 3 Yr Warranty	PTM20U-004827	032017235182
Tecra M2	Pentium M 1.70GHz, 14.1"XGA, 512MB, 60GB (5400 RPM), nVidia 64MB i.LINK IEEE-1394 10/100/1000 Base-TX Ethernet, DVD-CDRW, Intel 802.11b, Windows XP Pro, 3 Yr Warranty	PTM20U-00CSR7	032017235168
Tecra M2-S410	Pentium M 1.40GHz, 14.1"XGA, 256MB, 40GB (4200 RPM), nVidia 32MB, DVD-CDRW, Intel 802.11g, Windows XP Pro, 1Yr Warranty	PTM20U-0M06T8	32017233812
Tecra M2-S430	Pentium M 1.40GHz, 14.1"XGA, 256MB, 40GB (4200 RPM), nVidia 32MB, DVD-CDRW, Intel 802.11g, Windows XP Pro, 3Yr Warranty	PTM20U-0M06V8	32017233836
Tecra M2-S530	Pentium M 1.50GHz, 14.1"XGA, 512MB (256x2), 60GB (4200 RPM), nVidia 32MB, DVD-CDRW, Intel 802.11g, Windows XP Pro, 3 Yr Warranty	PTM20U-0MZCH8	32107233799
Tecra M2-S630	Pentium M 1.70GHz, 14.1"XGA, 512MB (256x2), 60GB (5400 RPM), nVidia 64MB i.LINK IEEE-1394 10/100/1000 Base-TX Ethernet, DVD-CDRW, Intel 802.11g, Windows XP Pro, 3 Yr Warranty	PTM20U-OPMGV8	32017235274
Tecra M2-S730	Pentium M 725 (1.60GHz, 2MB L2 Cache, 400MHz FSB), 14.1" XGA, 512MB (512MBx1), 60GB (4200 RPM), nVidia 64MB VRAM i.LINK IEEE-1394 10/100/1000 Base-TX Ethernet, DVD-CDRW, Intel 802.11g, Windows XP Pro	PTM20U-4MP0C8	32017253209
Tecra M2-S539	Pentium M 745 (1.80GHz, 2MB L2 Cache, 400MHz FSB), 14.1" XGA, 512MB (512MBx1), 80GB (4200 RPM), 6-cell battery, nVidia 64MB VRAM i.LINK IEEE-1394 10/100/1000 Base-TX Ethernet, DVD-CDRW, Intel 802.11g, Bluetooth ready (Antenna only), Windows XP Professional (Service Pack 2), 3-year warranty	PTM20U-Y2V438	032017270138
Tecra M2-S519	Pentium M 745 (1.80GHz, 2MB L2 Cache, 400MHz FSB), 14.1" XGA, 512MB (512MBx1), 80GB (4200 RPM), 6-cell battery, nVidia 64MB VRAM i.LINK IEEE-1394 10/100/1000 Base-TX Ethernet, DVD-CDRW, Intel 802.11g, Bluetooth ready (Antenna only), Windows XP Professional (Service Pack 2), 1-year warranty	PTM20U-Y2V428	032017275225

\* Traditional/SMB SKUs w/Office 2003 – 14th Digit "S"

## System Characteristics<sup>1</sup>

### Operating System

- Selected Systems may come with either
  - Microsoft® Windows® XP Professional, or
  - Microsoft® Windows® XP Professional (Service Pack 2), or
- Microsoft Windows 2000 (Components only)

### Intel® Centrino™ Mobile Technology featuring:

- Choice of CPU<sup>2</sup>:
  - Intel Pentium® M Processor 1.40 (1MB Level 2 ("L2") Cache, 400MHz Front Side Bus ("FSB"))
  - Intel Pentium M Processor 1.50 (1MB L2 Cache, 400MHz FSB)
  - Intel Pentium M Processor 1.70 (1MB L2 Cache, 400MHz FSB)
  - Intel Pentium M Processor 725 (1.60GHz Processor Speed, 2MB L2 Cache, 400MHz FSB)
  - Intel Pentium M Processor 745 (1.80GHz Processor Speed, 2MB L2 Cache, 400MHz FSB)
- Intel 855PM system chipset
- Integrated Wi-Fi<sup>3</sup> compliant wireless LAN – Intel PRO/Wireless 802.11b or Intel PRO/Wireless 802.11g

### Memory

- 256MB (256MBx1) or 512MB (512MBx1) SODIMM memory PC2700 DDR333 SDRAM, 2.5V

### Mass Storage<sup>4</sup>

#### Choice of Hard Disk Drives

- Choice of: 80GB (4200RPM), 60GB (5400 RPM), 60GB (4200 RPM), 40GB (5400 RPM), or 40GB (4200 RPM), Enhanced IDE (ATA-5) hard disk drive; 9.5mm height; user removable

#### Choice of Optical Disk Drives

- Slim SelectBay DVD-ROM** 5.25" EIDE, 12.7mm height. Compatibility: CD-ROM (read), CD-R (read), CD-RW (read), DVD-ROM (read), DVD-R (read), DVD-RAM (read).
- Slim SelectBay DVD-ROM/CD-RW**, 5.25" EIDE, 12.7mm height. Compatibility: CD-ROM (read), CD-R (read/write), CD-RW (read/write), DVD-ROM (read), DVD-R (read), DVD-RW (read), DVD-RAM (read).

### Display<sup>5</sup>

- 14.1" TFT 1024x768 (XGA) active-matrix LCD; internal display supports up to 16M colors
- Brightness Control

## Graphics

- Choice of either:
  - nVidia® GeForce™ FX Go5200 with 32MB graphics (with integrated 10/100Base-TX Ethernet, no integrated i.LINK IEEE-1394, and no integrated Bluetooth v1.1 support); or,
  - nVidia GeForce FX Go5200 with 64MB graphics (with integrated 10/100/1000 Base-TX Ethernet, integrated i.LINK IEEE-1394, and integrated Bluetooth v1.1 support).
- External Color Support:
 

640 x 480	16bit/32bit colors
800 x 600	16bit/32bit colors
1024 x 768	16bit/32bit colors
1280 x 800	16bit/32bit colors
1280 x 1024	16bit/32bit colors
1600 x 1200	16bit/32bit colors
1920 x 1440	16bit/32bit colors
2048 x 1536	16bit/32bit colors

## Input Devices

- Keyboard: Full sized 85 keys with 12 function keys, 2.7mm key stroke, 6mm height; Dedicated Microsoft Windows & Application keys support; HotKey function
- Mouse: Toshiba Dual Pointing Device
- Toshiba Console Button
- Presentation Button

## Expandability

- 2 Expansion memory slots (including Main Memory)
- 2 PC Card slots support 2 Type II or 1 Type III PC Cards, PCMCIA R2.01, PC Card16, CardBus
- SD slot

## Communications

- Integrated V.92 modem<sup>6</sup>
- Choice of: either:
  - Integrated 10/100Base-TX Ethernet, no integrated i.LINK IEEE-1394, and no integrated Bluetooth v1.1 support (with the nVidia GeForce FX Go5200 with 32MB graphics); or,
  - Integrated 10/100/1000 Base-TX Ethernet, integrated i.LINK IEEE-1394, and integrated Bluetooth v1.1 support (with the nVidia GeForce FX Go5200 with 64MB graphics).
- Integrated Fast Infrared (4Mbps)
- Integrated Wi-Fi compliant wireless LAN – Intel 802.11b or Intel802.11g

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## Ports

- Parallel port
- Serial Port (Supported on Advanced Port Rep III only)
- RGB (monitor) port
- 2 Universal Serial Bus (USB) port (v2.0)
- Optional i.LINK IEEE-1394 (included with integrated 10/100/1000 Base-TX Ethernet, integrated Bluetooth v1.1 support, and the nVidia GeForce FX Go5200 with 64MB graphics)
- Fast Infrared (4Mbps) port
- SD slot
- S-Video
- 240 pin docking connector
- DVI connector (via Advanced Port Replicator III only)
- External Microphone
- Headphone
- RJ-45 LAN port
- RJ-11 modem port

## Physical Description

- Dimensions (WxDxH Front/H Rear): 12.3" x 10.1" x 1.2/1.4"
- Weight: starting at 4.98lbs (with 6 cell)<sup>7</sup>
- LED Indicators: DC-In, Power, Primary Battery, Hard Drive, Slim SelectBay, Wireless indicator, SD indicator, Caps Lock, Arrow Lock, Numeric Lock, Main Battery Charging Status, Sleep Suspend Mode, SD Card Usage,
- PCABS/Magnesium Alloy Case

## Sound

- Analog Devices 1981B software sound
- 16-bit stereo; Built-in stereo speakers, Built-in microphone
- Direct 3D Sound; DirectSound and DirectMusic; Full Duplex and MIDI support
- Sound Volume Control Dial

## Power Supply

- 75W (15V 5A) Auto sensing external AC Adapter, 100-240V / 50-60Hz input

## Battery<sup>8</sup>

- **6-cell (4400mAh) or 12-cell (8800mAh),** rechargeable, removable Lithium Ion (Li-Ion) battery pack
- **Optional Slim SelectBay Battery,** Lithium Ion (10.8V 3600mAh)
- Battery Life :
  - Up to 4Hrs/00 Min. (6-cell battery alone) (measured by MobileMark™)<sup>9</sup>
  - Up to 7 Hrs/25 Min (6-cell + 2nd 3600 mAh battery) (measured by MobileMark)
  - Up to 8 Hrs/00 Min (12-cell battery alone) (measured by MobileMark)
  - Up to 11Hrs/31 Min (12-cell battery + 2nd 3600 mAh battery) (measured by MobileMark)

## Security

- Slot for cable lock; PC Card (by screw and cable lock), HDD, Slim SelectBay and memory (by screw only); User Power-on password, HDD Password, Supervisor Password, Keyboard Lock (by HotKey), Screen Blank (by Hotkey), Screen Saver (by software).

## BIOS

- ACPI v1.0B, VESA, DPMS, DDC, SM BIOS v2.3, PC BIOS v2.1 support

## Additional Software

### Toshiba Software and Utilities

- Toshiba ConfigFree™
- Toshiba Custom Utilities
- Electronic User's Guide

### Third-party Software and Utilities

- Adobe® Acrobat™ Reader
- Microsoft Office® OneNote™ 2003
- Norton® AntiVirus™ 2004 (3 Month Trial Version - on Traditional Models)
- Microsoft Works® (on Traditional Models)
- Microsoft Office 2003 Small Business Edition (60-Day Trial Version on Traditional Models)
- Microsoft Internet Explorer
- AT&T® Worldnet® Service (1 Month free - on Traditional Models)<sup>10</sup>
- AOL® (3 Month offer - on Traditional Models)<sup>11</sup>

## Limited Warranty

- Selected systems may have either limited warranty:
  - 3 year parts, labor and 1 year battery
  - 1 year parts, labor on select models.

## Environmental Specifications

	Operating	Non-Operating
Temperature	5° to 35°C (41° to 95°F)	-20° to 65°C (-4° to 149°F)
Thermal Gradient	15°C per hour maximum	20°C per hour maximum
Relative Humidity	20% to 80%	10% to 95%
Altitude (relative to sea level)	-60 to 3000 meters	-60 to 10,000 meters
Shock	7G	60G
Vibration	0.2G	1.0G

## Limited Warranty Upgrades and Extensions

Toshiba offers many different warranty extensions and enhanced service plans such as SystemGuard®, At-Home Repair, and Service Express to provide additional support to your notebook PC. For a full description and complete list of programs, please visit [www.accessories.toshiba.com](http://www.accessories.toshiba.com)

### Models with 3 Year Standard Limited Warranty

SWC-PTQQ4V	4th Year Warranty Extension
SWP-PQQQ3V	3 Years SystemGuard,
SWP-PQQP3V	3 Years ServiceExpress
SWP-PQQH3V	3 Years At-Home Repair
SWP-PQQN3V	3 Years Business On-Site Repair, Next Business Day Response

SWP-PQGP3V 3 Years SystemGuard + Service Express  
See Toshiba Service Plan Agreement for program terms and conditions at [www.pcsupport.toshiba.com](http://www.pcsupport.toshiba.com).

### Models with 1 Year Standard Limited Warranty

SWP-PEQQ3V	2nd/3rd Year Warranty Extension,
SWP-PEGQ3V	3 Years SystemGuard + Warranty Extension
SWP-PEQP3V	3 Years ServiceExpress + Warranty Extension
SWP-PEQH3V	3 Years At-Home Repair + Warranty Extension
SWP-PEGP3V	3 Years SystemGuard + Service Express
SWP-PEGH3V	3 Years SystemGuard + At-Home Repair

See Toshiba Service Plan Agreement for program terms and conditions at [www.pcsupport.toshiba.com](http://www.pcsupport.toshiba.com).

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## Accessories

For additional and most update accessories, please visit

[www.accessories.toshiba.com](http://www.accessories.toshiba.com).

### Power

PA3283U-2ACA	Toshiba 75W Global AC adapter
PA3356U-1BRS	Toshiba Primary Li Ion Battery Pack (6 Cell)
PA3357U-1BRL	Toshiba Primary Li Ion High Capacity Battery Pack (12 Cell)
PA3129U-2BRS	Toshiba Slim SelectBay 2nd 3600mAh Battery Pack
PA3091U-1CHG	Toshiba Battery Charger w/Integrated AC Adapter

### Memory Upgrades & SD Memory Options

KTT3311/256	Kingston PC2100/PC2700, 256MB DDR
KTT3311/512	Kingston PC2100/PC2700, 512MB DDR
KTT3311/1G	Kingston PC2100/PC2700, 1GB DDR
SD-M2564B3	Toshiba 256MB SD (Secure Digital) Card
SD-M5124B3	Toshiba 512MB SD (Secure Digital) Card

### Primary HDD Upgrade or Replacement

PA3204U-1H60	Toshiba 60GB HDD Kit, (with Bracket) 5400 rpm
PA3230U-1H80	Toshiba 80GB HDD Kit, (with Bracket) 5400 rpm

### Storage & Backup

HDD1232CZP41002	Toshiba 5GB Type II PC Card HDD w/Back-up software
UABS2-40.0	CMS ABSplus 40GB USB 2.0 Auto Backup System
UABS2-60.0	CMS ABSplus 60GB USB 2.0 Auto Backup System
UABS2-80.0	CMS ABSplus 80GB USB 2.0 Auto Backup System

### Bluetooth

PA3235U-5BTM	Bluetooth Module Kit (Dealer Install Only)
PA3370U-1BTM	Toshiba Bluetooth SD Card Version 1.2

## Return Policy

TAIS does not accept the return of component parts, or bundled software, which have been removed from the PC system. Pro-rata refunds on individual PC components or bundled software, including the operating system, will not be granted. If you wish to return a complete PC system, contact the TAIS dealer where you purchased the product, and comply with the dealer's standard return policies and procedures.

Portégé, Satellite, Tecra, Slim SelectBay and SystemGuard are registered trademarks and ConfigFree is a trademark of Toshiba America Information Systems, Inc. and/or Toshiba Corporation.

Intel, Celeron, Centrino, Intel Inside, Pentium, the Intel Centrino logo, and the Intel Inside logo are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

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The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Toshiba is under license.

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All other trademarks are the property of their respective owners.

<sup>1</sup> While Toshiba has made every effort at the time of publication to ensure the accuracy of the information provided herein, product specifications, configurations, prices, system/component/options availability are all subject to change without notice. For the most up-to-date product information about your computer, or to stay current with the various computer software or hardware options, visit Toshiba's Web site at [pcsupport.toshiba.com](http://pcsupport.toshiba.com). The product specifications and configuration information are designed for a product Series. Your particular model may not have all the features and specifications listed or illustrated. For more detailed information about the features and specifications on your particular model, please visit Toshiba's Web site at [pcsupport.toshiba.com](http://pcsupport.toshiba.com).

<sup>2</sup> CPU performance in your computer product may vary from specifications under the following conditions:

- use of certain external peripheral products
- use of battery power instead of AC power
- use of certain multimedia games or videos with special effects
- use of standard telephone lines or low speed network connections
- use of complex modeling software, such as high end computer aided design applications
- use of computer in areas with low air pressure (high altitude >1,000 meters or >3,280 feet above sea level)
- use of computer at temperatures outside the range of 5°C to 30°C (41°F to 86°F) or >25°C (77°F) at high altitude (all temperature references are approximate and may vary depending on the specific computer model – please refer to your Resource Guide or visit the Toshiba website at [www.pcsupport.toshiba.com](http://www.pcsupport.toshiba.com) for details).

CPU performance may also vary from specifications due to design configuration.

Under some conditions, your computer product may automatically shut-down. This is a normal protective feature designed to reduce the risk of lost data or damage to the product when used outside recommended conditions. To avoid risk of lost data, always make back-up copies of data by periodically storing it on an external storage medium. For optimum performance, use your computer product only under recommended conditions. Read additional restrictions under "Environmental Conditions" in your product Resource Guide. Contact Toshiba Technical Service and Support for more information.

<sup>3</sup> Wi-Fi is a registered certification mark of the Wi-Fi Alliance.

<sup>4</sup> 1 Gigabyte (GB) means 1000 x 1000 x 1000 = 1,000,000,000 bytes using powers of 10. The computer operating system, however, reports storage capacity using powers of 2 for the definition of 1 GB = 1024 x 1024 x 1024 = 1,073,741,824 bytes, and therefore may show less storage capacity. Available storage capacity will also be less if the product includes pre-installed operating system and/or application software. Actual formatted capacity may vary.

<sup>5</sup> Small bright dots may appear on your TFT display when you turn on your PC. Your display contains an extremely large number of thin-film transistors (TFT) and is manufactured using high-precision technology. Any small bright dots that may appear on your display are an intrinsic characteristic of the TFT manufacturing technology.

## Cases & Security

PA1360U-1NCS	Toshiba Executive Nylon Case (15.4")
PA1361U-1NCS	Toshiba Executive Leather Case (15.4")
PA1362U-1NCS	Toshiba BackPack (15.4")
NWDEFCL	Targus-Noteworthy DEFCON CL Cable Lock

## Input & Miscellaneous

PA1336U-1NKB	Toshiba USB Keyboard
PA1337U-1NMS	Toshiba USB Optical Scroller Mouse
PA1367U-1NMS	Toshiba USB Ultra-Mini Retractable Scroller Mouse
PA1368U-1NHB	Toshiba USB 2.0 Mini 4-Port Hub (w/AC adapter)
PA1370U-1ETC	Toshiba Keyboard Protector (Tecra/Satellite/Qosmio)

## Expansion

PA3109U-1FDD	Toshiba USB Floppy Disk Drive Kit
PA3314U-1PRP	Toshiba Advanced Port Replicator III w/75W AC Adapter

## Slim SelectBay Options

### Slim SelectBay Secondary HDD Kits

To use the secondary HDD Kits for extra storage capacity in the Toshiba Slim SelectBay, you must also purchase the Toshiba Slim SelectBay HDD Adaptor (part number: PA3134U-1ETC).

PA3204U-1H60	Toshiba 60GB HDD Kit, (with Bracket) 5400 rpm
PA3230U-1H80	Toshiba 80GB HDD Kit, (with Bracket) 5400 rpm
PA3134U-1ETC	Toshiba Slim SelectBay HDD Adaptor (Black Bezel) (use only in the Toshiba Tablet Multi Dock)

### Optical Drives

PA3231U-1DV1	Toshiba Slim SelectBay DVD Multi Drive Kit (Black)
PA3359U-1DV2	Toshiba Slim SelectBay DVD Super Multi Drive Kit (Black)

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<sup>6</sup> Due to FCC limitations, speeds of 53 kbps are the maximum permissible transmission rates during download. Actual data transmission speeds will vary depending on line conditions.

<sup>7</sup> Weight may vary depending on product configuration, vendor components, manufacturing variability and options selected.

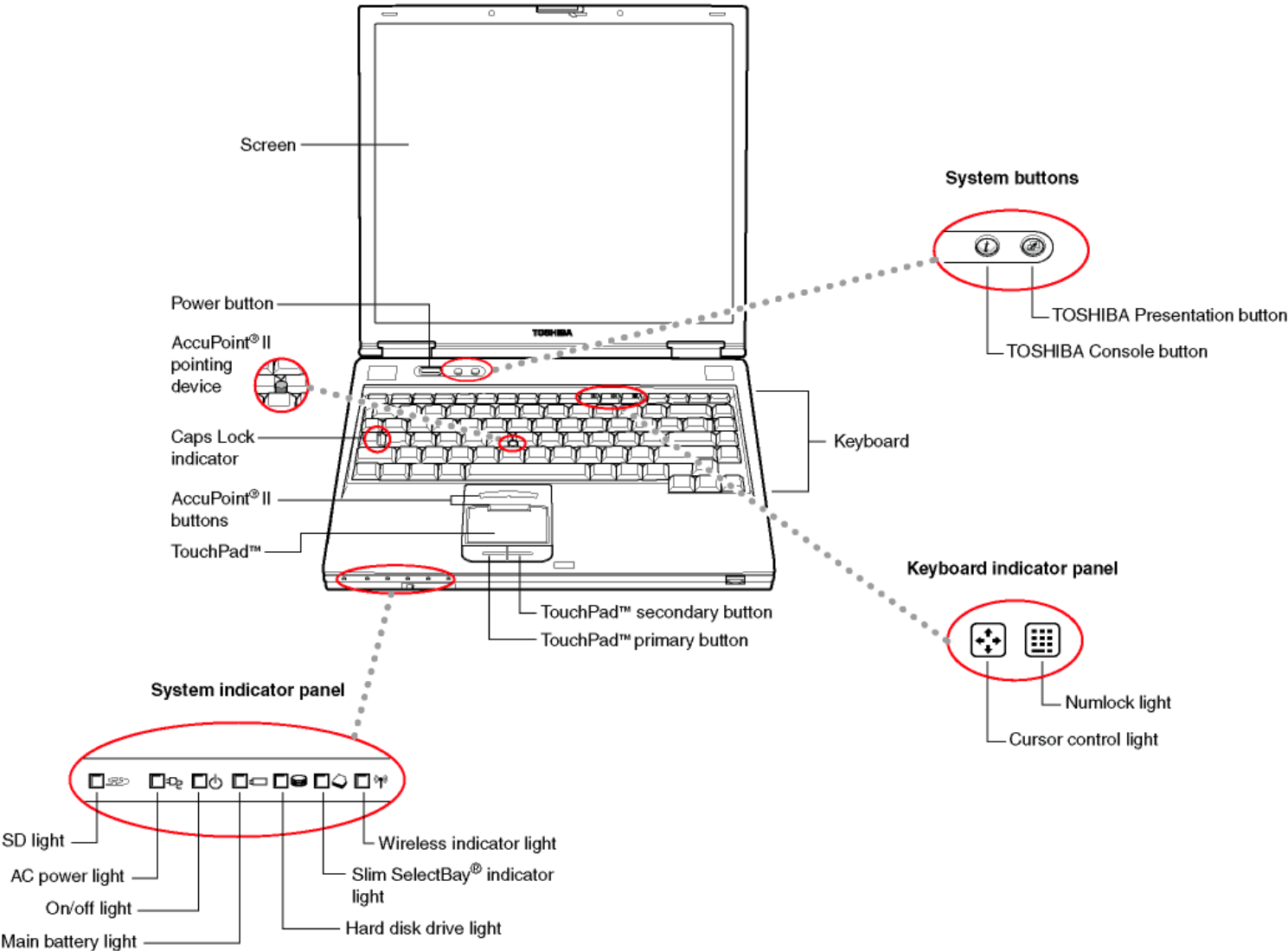
<sup>8</sup> Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Recharge time varies depending on usage. Battery may not charge while computer is consuming full power. After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries. To purchase a new battery pack, see the accessories information that shipped with your computer or visit the Toshiba web site at [accessoryfinder.toshiba.com](http://accessoryfinder.toshiba.com).

<sup>9</sup> MobileMark™ and BAPCo® are registered trademarks of Business Applications Performance Corporation

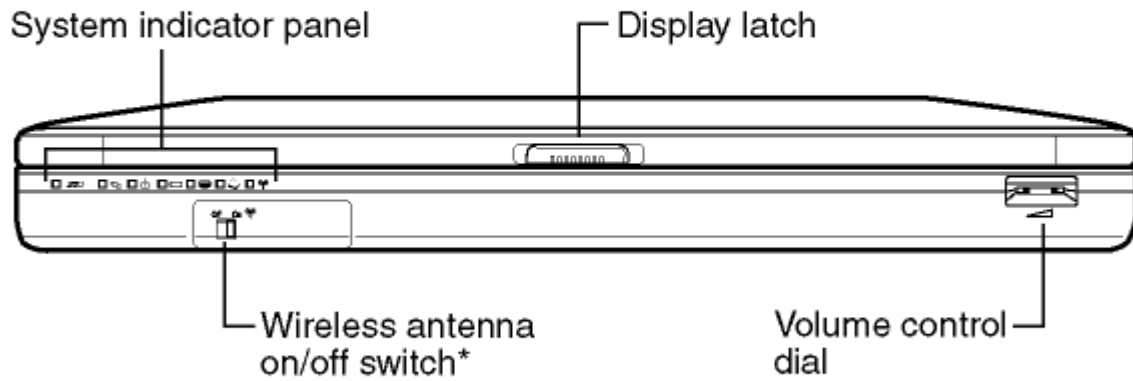
<sup>10</sup> Availability may be limited, especially during peak times. TO AVOID BEING CHARGED A MONTHLY MEMBERSHIP FEE, SIMPLY CANCEL BEFORE THE ONE-MONTH PROMOTIONAL PERIOD ENDS. Premium services carry surcharges and communication surcharges may apply, including AK, even during promotional period. Members may incur telephone charges on their phone bill, depending on their location and calling plan, even during promotional period. Available only to new members in the United States, age 18 or older; a major credit card or checking account is required.

<sup>11</sup> Availability may be limited, especially during peak times. TO AVOID BEING CHARGED A MONTHLY MEMBERSHIP FEE, SIMPLY CANCEL BEFORE THE THREE-MONTH PROMOTIONAL PERIOD ENDS. Premium services carry surcharges and communication surcharges may apply, including AK, even during promotional period. Members may incur telephone charges on their phone bill, depending on their location and calling plan, even during promotional period. Available to new AOL members in the United States, age 18 or older; a major credit card or checking account is required.

Front with display open

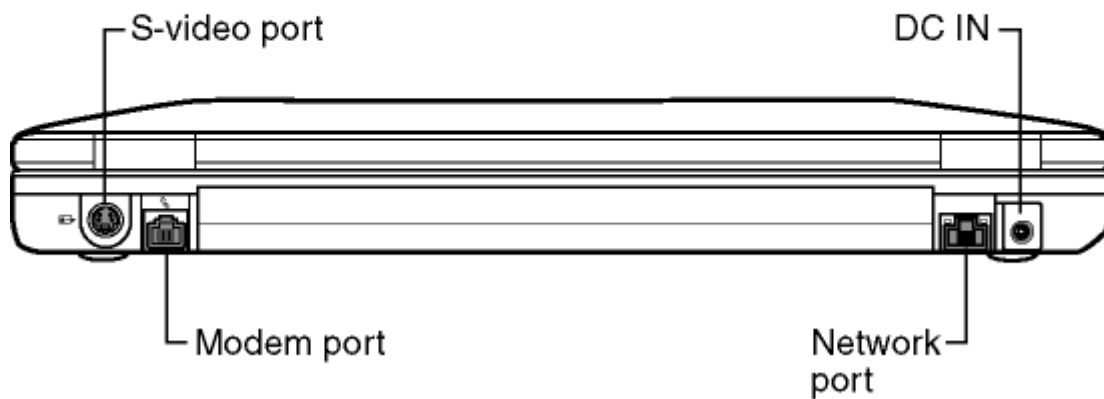


# Front with display closed

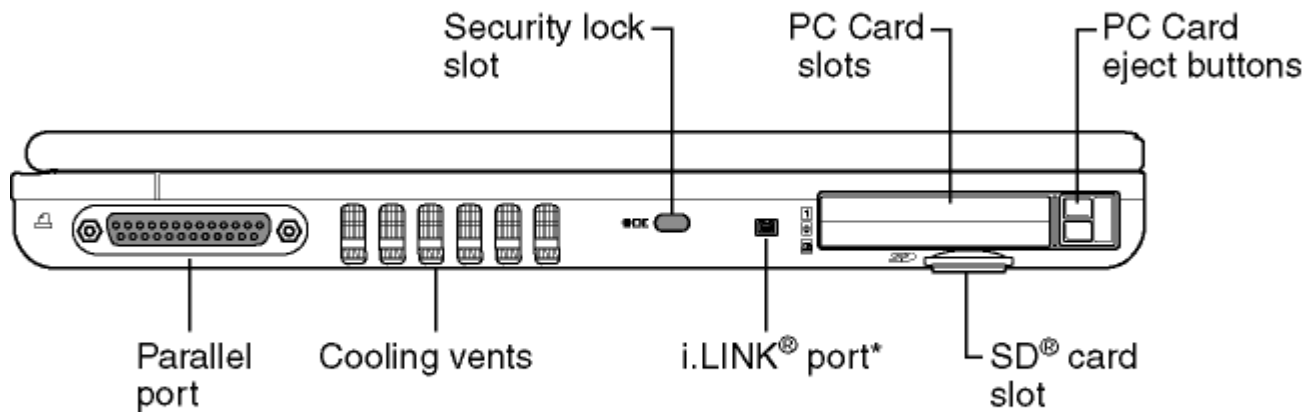


\*Functional only on systems with wireless module installed.

## Back

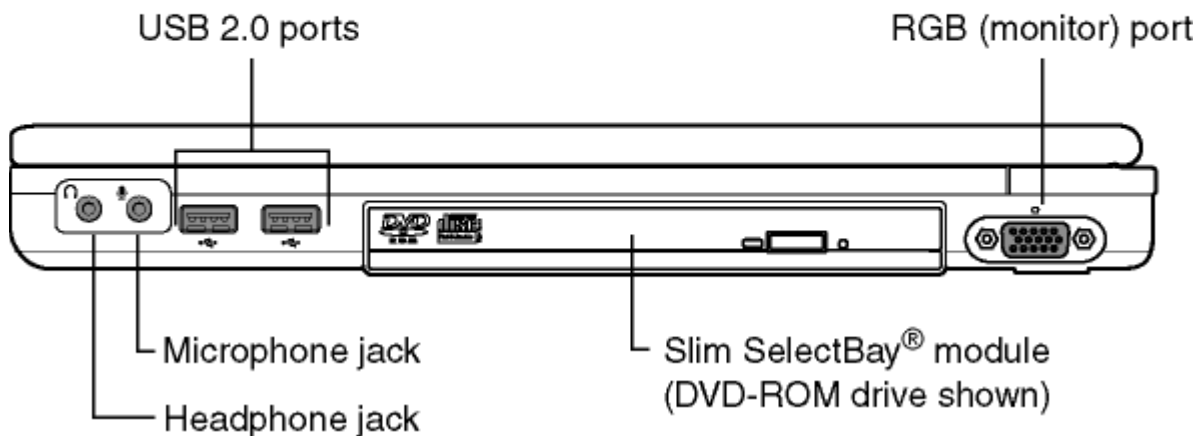


## Left side



\*Available only on systems with 64 MB VRAM Configuration

## Right side





# Underside

